

Release notes for ENDF/B Development n-054_Xe_129
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=5440, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=5440, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      246 TO      308
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=5440, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=5440, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      246
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5440, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      310
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      528
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      557
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      585
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      605
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 616

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 622

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 636

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 32
SECTION 3/ 32 NOT IN DIRECTORY RECORD NUMBER 646

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 654

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 674

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 692

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 54
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 709

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 55 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 55 | RECORD NUMBER | 726 |
| SECTION 3/ 55 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 56 | RECORD NUMBER | 742 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 57 | RECORD NUMBER | 758 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 58 | RECORD NUMBER | 773 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 59 | RECORD NUMBER | 788 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 60 | RECORD NUMBER | 803 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 61 | RECORD NUMBER | 817 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 62 | RECORD NUMBER | 831 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 63 (0): Directory (b)

- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 63 | | |
| | SECTION 3/ 63 NOT IN DIRECTORY | RECORD NUMBER | 844 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 64 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 64 | | |
| | SECTION 3/ 64 NOT IN DIRECTORY | RECORD NUMBER | 856 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 65 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 65 | | |
| | SECTION 3/ 65 NOT IN DIRECTORY | RECORD NUMBER | 868 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 66 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 66 | | |
| | SECTION 3/ 66 NOT IN DIRECTORY | RECORD NUMBER | 880 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT= 91 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5440, MF= 3, MT= 91 | | |
| | SECTION 3/ 91 NOT IN DIRECTORY | RECORD NUMBER | 891 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT=102 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5440, MF= 3, MT=102 | | |
| | SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER | 902 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT=103 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5440, MF= 3, MT=103 | | |
| | SECTION 3/103 NOT IN DIRECTORY | RECORD NUMBER | 926 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT=104 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5440, MF= 3, MT=104 | | |
| | SECTION 3/104 NOT IN DIRECTORY | RECORD NUMBER | 942 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT=105 (0): Directory (b)

- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=5440, MF= 3, MT=105 | |
| | SECTION 3/105 NOT IN DIRECTORY | RECORD NUMBER 955 |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT=106 (0): Directory (b)
- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=5440, MF= 3, MT=106 | |
| | SECTION 3/106 NOT IN DIRECTORY | RECORD NUMBER 967 |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 3, MT=107 (0): Directory (b)
- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=5440, MF= 3, MT=107 | |
| | SECTION 3/107 NOT IN DIRECTORY | RECORD NUMBER 978 |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 2 (0): Directory (b)
- | | | |
|--|--|-------------------|
| | ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 2 | |
| | SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER 995 |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 16 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 16 | |
| | SECTION 4/ 16 NOT IN DIRECTORY | RECORD NUMBER 1186 |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 17 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 17 | |
| | SECTION 4/ 17 NOT IN DIRECTORY | RECORD NUMBER 1197 |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 22 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 22 | |
| | SECTION 4/ 22 NOT IN DIRECTORY | RECORD NUMBER 1208 |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 28 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 28 | |
| | SECTION 4/ 28 NOT IN DIRECTORY | RECORD NUMBER 1219 |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 32 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 32 | RECORD NUMBER | 1230 |
| SECTION 4/ 32 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 51 | RECORD NUMBER | 1241 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 52 | RECORD NUMBER | 1269 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 53 | RECORD NUMBER | 1294 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 54 | RECORD NUMBER | 1322 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 55 | RECORD NUMBER | 1350 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 56 | RECORD NUMBER | 1378 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 57 | RECORD NUMBER | 1406 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 58 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 58 | RECORD NUMBER | 1434 |
| SECTION 4/ 58 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 59 | RECORD NUMBER | 1462 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 60 | RECORD NUMBER | 1490 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 61 | RECORD NUMBER | 1518 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 62 | RECORD NUMBER | 1543 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 63 | RECORD NUMBER | 1570 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 64 | RECORD NUMBER | 1595 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 65 | RECORD NUMBER | 1622 |
| SECTION 4/ 65 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 66 (0): Directory (b)

- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 66 | |
| SECTION 4/ 66 NOT IN DIRECTORY | RECORD NUMBER 1649 |
56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 4, MT= 91 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5440, MF= 4, MT= 91 | |
| SECTION 4/ 91 NOT IN DIRECTORY | RECORD NUMBER 1676 |
57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 5, MT= 16 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5440, MF= 5, MT= 16 | |
| SECTION 5/ 16 NOT IN DIRECTORY | RECORD NUMBER 1704 |
58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 5, MT= 17 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5440, MF= 5, MT= 17 | |
| SECTION 5/ 17 NOT IN DIRECTORY | RECORD NUMBER 1779 |
59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 5, MT= 22 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5440, MF= 5, MT= 22 | |
| SECTION 5/ 22 NOT IN DIRECTORY | RECORD NUMBER 1803 |
60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 5, MT= 28 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5440, MF= 5, MT= 28 | |
| SECTION 5/ 28 NOT IN DIRECTORY | RECORD NUMBER 2008 |
61. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 5, MT= 32 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5440, MF= 5, MT= 32 | |
| SECTION 5/ 32 NOT IN DIRECTORY | RECORD NUMBER 2114 |
62. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5440, MF= 5, MT= 91 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5440, MF= 5, MT= 91 | |
| SECTION 5/ 91 NOT IN DIRECTORY | RECORD NUMBER 2165 |

• psyche Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 129. L = 0 / STRENGTH FUNCTION IS 1.03196E-04 / STRENGTH FUNCTION 1.03196E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ISOTOPE MASS = 129. L = 0
STRENGTH FUNCTION IS 1.03196E-04
STRENGTH FUNCTION 1.03196E-04
... [1 more lines]
```

2. Non-threshold reaction with Q value differing from PSYCHE's expectations
FILE 3 / SECTION 103 / THE CALCULATED Q 7.09801E+05 DISSAGREES WITH THE GIVEN Q 5.89955E+05 (0): Iffy Q

```
FILE 3
SECTION 103
THE CALCULATED Q 7.09801E+05 DISSAGREES WITH THE GIVEN Q 5.89955E+05
```

- recent Warnings:

1. Competative widths aren't all zero like they're supposed to be
0: LRX=0

```
Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)
=====
Retrieval Criteria----- MAT
File 2 Mimimum Cross Section- 1.0000E-10 (Standard Option)
Reactions with No Background- Output (Resonance Contribution)
... [453 more lines]
```

- fudge-4.0 Warnings:

1. Potential scattering hasn't converted, you need more L's!
resonances / resolved / MultiLevel_BreitWigner (Error # 0): potentialScatteringNot-Converged

WARNING: Potential scattering hasn't converged by L=0 at E=4100.0 eV, xs[0]/xs[0]=100.0% > 0.1%

2. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.30%

3. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.13%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 18: n[multiplicity:'2'] + Xe128 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6368894.000534058 eV vs -6.9124e6 eV!

2. Calculated and tabulated Q values disagree.
reaction label 19: n [multiplicity:'3'] + Xe127 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -15979456.904953 eV vs -1.65337e7 eV!

3. Calculated and tabulated Q values disagree.
reaction label 20: $n + H1 + I128$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7708647.291809082 eV vs -8257130. eV!

4. Calculated and tabulated Q values disagree.
reaction label 21: $n + H2 + I127$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -12310212.77508545 eV vs -1.27771e7 eV!

5. Calculated and tabulated Q values disagree.
reaction label 22: Xe130 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 9795414.861862183 eV vs 9255090. eV!

6. Calculated and tabulated Q values disagree.
reaction label 23: $n + He4 + Te125$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1560330.224136353 eV vs -2.1004e6 eV!

7. Calculated and tabulated Q values disagree.
reaction label 24: $H1 + I129_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 1128098.357452393 eV vs 589955. eV!

8. Calculated and tabulated Q values disagree.
reaction label 25: $H2 + I128_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5484081.190872192 eV vs -5947010. eV!

9. Calculated and tabulated Q values disagree.
reaction label 26: $H3 + I127_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6052979.834472656 eV vs -6591960. eV!

10. Calculated and tabulated Q values disagree.
reaction label 27: He3 + Te127_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6736413.72857666 eV vs -7268330. eV!

11. Calculated and tabulated Q values disagree.
reaction label 28: He4 + Te126_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 7553361.646194458 eV vs 7022690. eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

```
---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided
```

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

```
---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided
```

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

```
---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided
```

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

```
---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided
```

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

```
---message from conver---cannot do complete particle production for mt= 32
only mf4/mf5 provided
```

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)

```
---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided
```